PEO EIS
PEO Enterprise Information Systems

Project Manager,
Transportation Information Systems

TC-AIMS II Fielding Command Gaining Command Briefing

FORT EUSTIS

31 AUG 2005

Presented by
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Purpose

- Provide an overview of the TC-AIMS II requirements, development strategy, and the USA deployment business process supported by TC-AIMS II Block II
- Outline unit account management activities associated with TIS Enterprise account creation
- Identify support to be provided by gaining installation

Agenda

- Transportation Information Systems Joint Program Management Office (TIS JPMO)
- TC-AIMS II requirements and acquisition strategy
- TC-AIMS II Capabilities
- TC-AIMS II Basis of Issue

PM Transportation Information Systems

TIS JPMO Focus

Mission:

Develop, field and support enterprise information systems for the joint defense deployment and transportation community

Near-Term Objective:

Evolve TC-AIMS II into a single integrated IT system running multiple deployment and transportation applications to achieve ITV and TAV for Joint Commanders

PM, Transportation Information Systems Programs

Joint Migration Systems

TC-AIMS II
(ACAT IAM)
Transportation Coordinators' - Automated Information for Movements System

AALPS
(ACAT IV)
Automated Airload Planning System

Army Legacy Systems

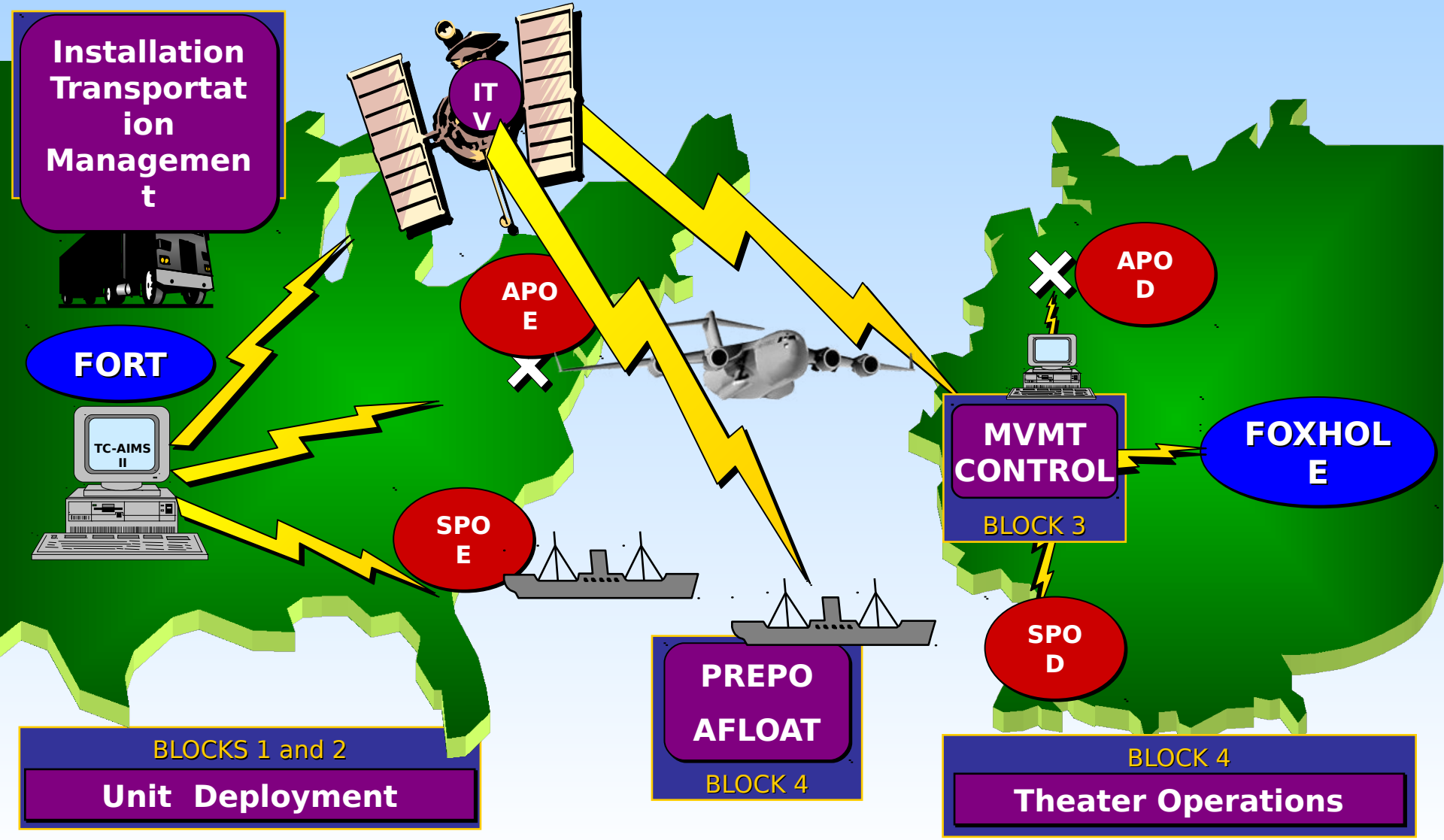
TC ACCIS
Transportation Coordinators Automated Command and Control Information System

TIS-TO
Transportation Information System-
Theater Operations
(Web-based version of DAMMS-R)

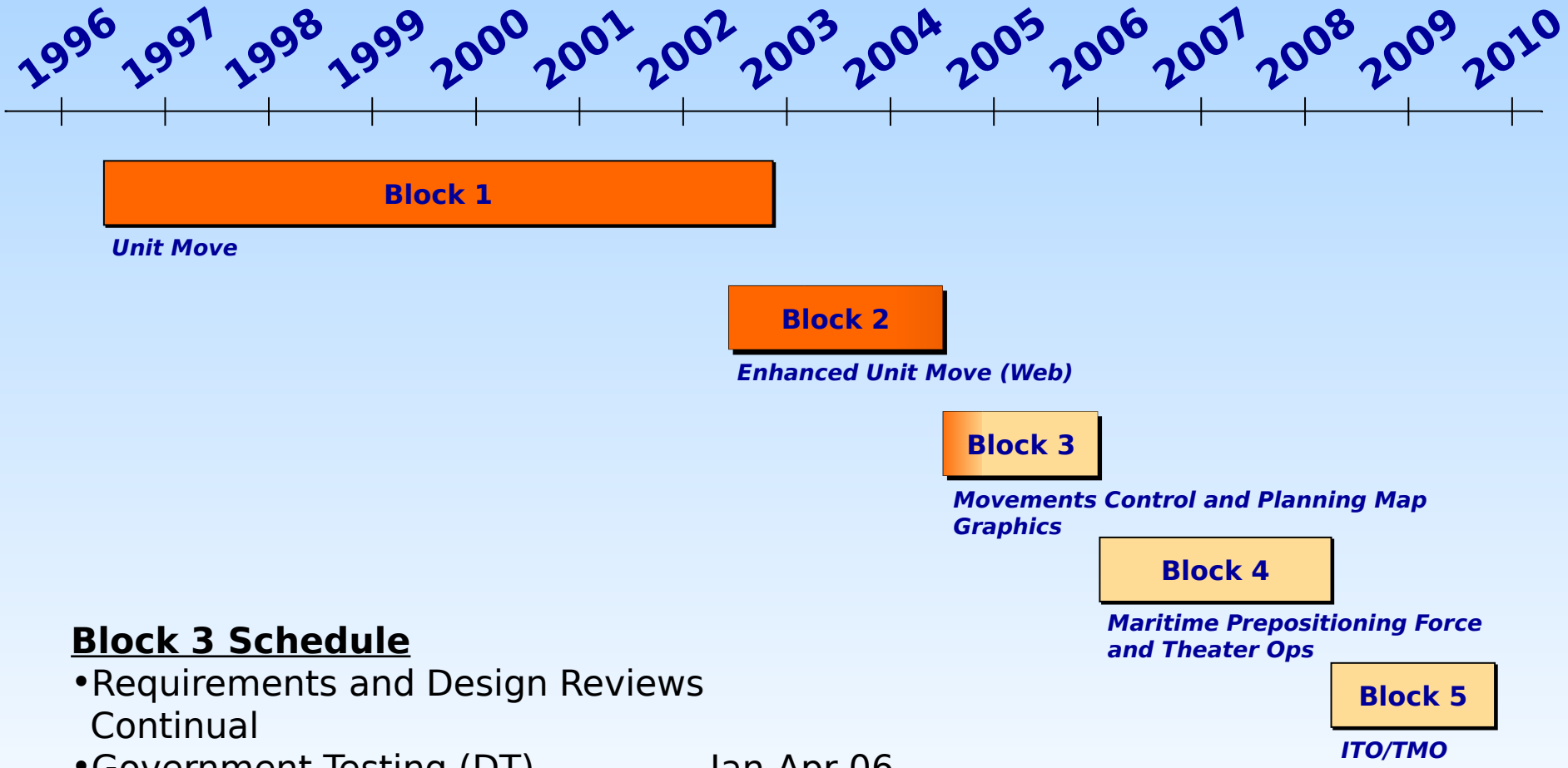
DAMMS-R
Department of the Army Movement Management System-Redesign

Requirements and Acquisition Strategy

Operational View



TC-AIMS II Acquisition Structure
(Funded Across POM)



Block 3 Schedule

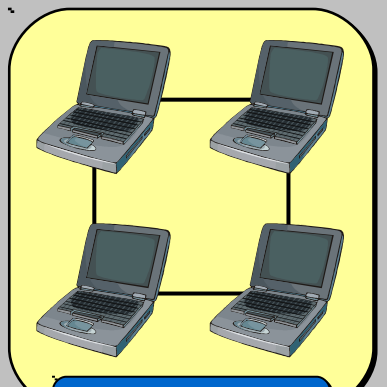
- Requirements and Design Reviews Continual
- Government Testing (DT) Jan-Apr 06
- Test and Evaluation (OT) Apr-Jun 06
- Milestone III (Fielding Decision) Pending

Scaleable System

BLOCK 1

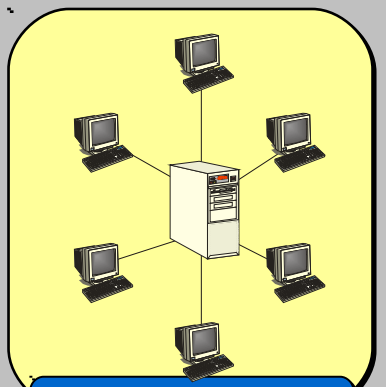
Standalone

- Supports user with limited or no network connectivity
- All TC-AIMS II components are installed on user's machine including the database and application
- Data can be exported to a flat file and shared with other TC-AIMS II databases
- Iridium satellite connectivity to global networks



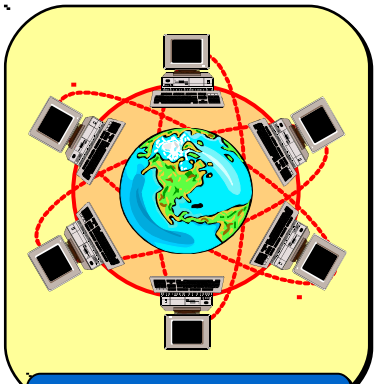
Workgroup

- TC-AIMS II machines connected as a workgroup supports client/server or standalone operations
- Any machine with the database can be the server
- Any machine with the application can be a client
- Supports occasional connection to the tactical network for external system communications



Client/Server

- Supports users with network connectivity
- Each machine on the network is considered a client or a server
- Server machines typically contain only the TC-AIMS II database
- Client machines typically contain only the application and other system components



Web Enabled

- Enterprise System
- Co-hosted applications: TC-AIMS II, AALPS, ICODES, TIS-TO and DS2T
- Server consolidation
- Joint Transportation Reference Information Portal (JTRIP) for data services
- Enhanced context sensitive help

BLOCK 2

TC-AIMS II Unit Movement Capabilities

TC-AIMS II Functional Composition

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SUPPORT UNIT PLANNING

- Maintain equipment list
- Maintain personnel list
- Build unit deployment list
- Create movement plans
- Create convoy plan

PREPARE FOR MOVEMENT

- Label shipment unit
- Document hazardous cargo
- Containerize/palletize cargo
- Schedule movement

EXECUTE MOVEMENT

- Print movement documents
- Transmit ITV data
- Incheck arriving cargo
- Incheck arriving PAX
- Discrepancy reporting

INTERFACES

Unit Personnel | Load Planning | Transportation | Material Management | Planning | Visibility | Unit Assets

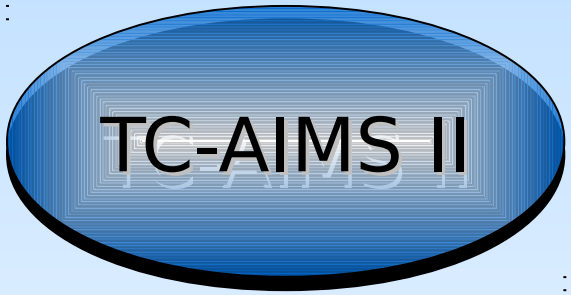
AIT

Linear Bar Code | Optical Memory Car | RFID | 2 Dimensional Bar Code | CAC Cards

JDL

MILSTAMP | Hazardous Cargo | Equipment Characteristics | Location

TC-AIMS II Interfaces



MANAGEMENT
- GTN (J)
- ITV Server (A)

LOAD PLANNING
- AALPS (J)
- CAEMS (MC)
- CALM (J)
- ICODES (J)

MATERIAL MANAGEMENT
- ATLASS (MC)
- ROLMS (MC)

UNIT ASSETS
- LOGMOD (AF)
- MDSS II (MC)
- NCFMIS (N)

TRANSPORTATION
- GATES (J)
- CMOS (J)
- IBS (J)
- GFM-HOST (J)
- PowerTrack (J)
- TC ACCIS (A)
- WPS (J)

UNIT PERSONNEL
- eMILPO (A)
- ITAPDB (A)
- MANPER-B (AF)
- SIDPERS III (A)
- UD/MIPS (MC)

PLANNING
- COMPASS (A)
- JFRG II (J)
- MAGTF II (MC)
- SAAM (J)

TC-AIMS II Information Assurance

Information Assurance

- System accredited as sensitive but unclassified
- Has certificate of network worthiness
- Generic SOP for local adaptation
- Requires local administration of user TIS accounts
- ACERT process
  - TIS will test and post results on web site https://www.tis.army.mil/help.htm
  - Applied IAW local procedures
  - TIS will apply to enterprise

Key Players in Local User Account Management

User Account Manager

To positively identify users; create TIS accounts; create user application profiles; and manage user accounts for a defined set of units (UICs)

- Meet IT Category II requirements verified by IASO
- Roles/responsibilities verified by unit commander
- Positive Identification performed by TIS fielding team during NMIB/Site Survey
- Attend local administrator workshop during NMIB/Site Survey

Unit Commander

(or designee) of specific military unit that can authorize access to TIS application and verify roles/responsibilities for access and use of unit data within TIS applications

User Qualifications

- Meet IT Category III requirements verified by IASO
- Roles/responsibilities verified by unit commander
- Positive identification performed by local administrator

Position Category	Civilian	Military	Contractor	Non-U.S. Citizen*
IT-I (SA/IA)	SSBI	SSBI	SSBI	SSBI, if approval granted
IT-II (SA/DBA)	NACI	NACLC	NACLC	NACLC
IT-III (Users)	NACI	NAC	NAC	NAC

UNIT ACCOUNT MANAGER (UAM) RESPONSIBILITIES

- UAMs should be designated by each brigade (or higher) before the New Material Introductory Brief (NMIB)
- UAMs must be appointed in writing by an 0-6 Commander (This memo needs to be submitted to the TIS helpdesk)
- UAMs are invited to attend the Information Assurance (IA) Workshop that occurs during the NMIB / Site Survey
- UAMs must submit a VAR and an account creation form for each student prior to training (Students without accounts will not be able to attend training)
- UAMs are key to training during fielding and when TC-AIMS II becomes the system of record

TC-AIMS II Basis of Issue Plan and System Support

TC-AIMS II Typical Unit Move Hardware Distribution

Interrogator Set
J99233 AN/TYQ-95

Work Station
C27435 AN/TYQ-129(V)2

Server
C27367 AN/TYQ-129(V) 1

Label Printers
(Desktop and Portable)

RF Interrogator

Laser Printer w/ each Workstation

8146 Portable Data Terminal

TC-AIMS II Workstation
(with Laser Printer)

TC-AIMS II Server
(Transportation and Logistics Units only)

Separate Company

Company HQ

w/Printer

Battalion Level

S-3

w/Printer

S-4

w/Printer

Brigade Level and Higher

S-3

w/Printer

S-4

w/Printer

HHC

w/Printer

Fort Eustis Regional Fielding Distribution Summary

TOE Units Summary

Component	Server C27367	Workstation C27435	Interrogator Set Z52950
Active Army	5	54	34
National Guard	4	11	4
Reserves	17	64	22
Total	26	129	60

TDA Summary

COMPO	Fixed Server	Tower Server	Laptop Server	Laptop	Printer	Bar Code Printer	Hand Held Interrogator	RFI	Solar RFI
Active Army	0	0	0	28	18	18	14	14	0
National Guard	0	0	0	3	3	0	0	0	0
Reserves	0	0	1	27	27	6	6	6	0
Total	0	0	1	58	48	24	20	20	0

Training

Block 2 Training Courses

- Level 1 User Courses
  - 9 training days per class
  - 20 students per class
  - Unit Movement Officers
- Level 2 TC-AIMS II User Course
  - 9 training days per class
  - 20 students per class
  - Battalion, Brigade, and ITO unit movement coordinators
- SA/DBA Course
  - 5 training days per class
  - Max. 10 students per class

Level 1 Course Overview

- Course will train basic TC-AIMS II concepts for:
  - Fundamentals of Deployment
  - Maintaining unit equipment and personnel assets
  - Creating Unit Deployment List for TPFDD and non-TPFDD movements
  - Using AIT to create movement documentation
- Course focus areas:
  - Using TC-AIMS II as a tool to facilitate the business process defined by FORSCOM and DPMO
  - Data quality and accuracy
    - Reviewing data at various points in the deployment process
    - Practical exercise for Asset Management using unit data aka data completion

Level 2 Course Overview

- **Course will train basic TC-AIMS II concepts for:**
  - Fundamentals of Deployment
  - Creating and executing movement plans for TPFDD and non-TPFDD movements
  - Using AIT to create movement documentation
  - Processing imports and exports from other systems
  - Reviewing movement data during the deployment process
- **Course focus areas:**
  - Using TC-AIMS II as a tool to facilitate the business process defined by FORSCOM and DPMO
  - Data quality and accuracy reviews

Interactive Multi-Media Training Approach

- Multimedia Training
  - Provides hands-on, self-paced, online training
  - May be accessed from the application via help facilities or in a standalone mode
  - Used as a refresher for trained operators
  - Can be used for new operator under direction of trained supervisor

Scenario Based Training

- Provides a collective training exercise for users to work in their respective roles with the installation or area business process with JPMO provided SMT's as exercise leaders and mentors
- Intended to train key users on how to conduct their own collective training
- Provides the installation to validate its intended deployment process
- Includes a scenario, procedures, checklists and descriptive information to exercise the pre-deployment, deployment, and re-deployment of a Brigade size element

SBTE Planning Process

- **Phase 1: Business Process Tailoring (-180 to -150 days)**
  - Business Process Tailoring Workshop
  - UAM Designation
  - Task allocation matrix (Roles and Permissions)
  - TTPs describing task
- **Phase 2: SBTE Development (-90 to -30 days)**
  - MSELs developed to Business Process
  - UIC selection for exercise
  - Scenario, OPORD, and TPFDD developed against selected UICs and defined Business Process
- **Phase 3: Implementation (-30 to +30 days)**
  - User accounts completed
  - Data Completion activities completed
  - Conduct SBTE
  - Lessons learned, Business Process Revisions
  - Hand-off of SBTE package to installation

Scenario Based Training Participants

SBT Participant	# Players	Role Players	Unit
ITO	3	OPS, FREIGHT, ADACG	
CORPS HQS	1	SUPPORTING HQS	
COSCOM HQS	1	SUPPORTING HQS	
COSCOM BN	1	SUPPORTING HQS	
COSCOM UNIT	1	DEPLOYING UNIT	
COSCOM MCT (PORT)	1	DEPLOYING UNIT	
CORPS SEP HQS	1	SUPPORTING HQS	
CORPS SEP BN	1	DEPLOYING UNIT	
CO OF CORPS SEP BN	1	DEPLOYING UNIT	
DIV HQS	1	SUPPORTING HQS	
DIV BDE	1	DEPLOYING UNIT	
DIV BN	1	DEPLOYING UNIT	
DIV CO	2	DEPLOYING UNIT	
USAR RRC	1	SUPPORTING HQS	
USAR UNIT	1	DEPLOYING UNIT	
NCARNG STARC	1	SUPPORTING HQS	
NCARNG UNIT	1	DEPLOYING UNIT	

Specific units to be coordinated during NMIB/Site Survey

On-line Training Administration

Army Training Requirements and Resources System (ATRRS)

School code: 026

School name: Transportation Information School

Why ATRRS?

- Early determination for changes to training schedules based on student load
- Provide a record that commanders can review to determine who has been
  TC-AIMS II trained
- Verify student training attendance for calculating promotion points
- Increase attendance from the 30% to 50% levels that occurred with registration at the local level

➢ Provides course information, including training requirements

- Manages class schedule
- Allocates class quotas
- Makes seat reservations
- Records student attendance

Specific class quotas to be determined during site survey

ATRRS Registration Standards

- **<u>60 Days</u>** prior to class start - **classes 30% filled**
  - If not, notice from TIS training coordinator to POC's
- **<u>45 Days</u>** prior to class start – **classes 50% filled**
  - If not, notice from TIS training coordinator identifying potential consolidations or cancellations
- **<u>30 Days</u>** prior to class start – **1st months classes 70% filled with 100% registered students having DL account and Enterprise accounts requested.**
  - If not, notice from TIS training coordinator identifying consolidations and cancellations
- **<u>30 Days</u>** prior to subsequent class start – **classes 70% filled with 100% registered students having DL account and Enterprise accounts requested.**

Preliminary Training Allocations

Component	SA/DBA Personnel Requirements	User/Operator Personnel Requirements
Active Army	5	66
National Guard	4	14
USA Reserves	18	95
Course Requirements	**SA/DBA Course**	**User Course**
Total based on personnel numbers	3	TBD

TC-AIMS II Fielding Process

Typical Fielding Process

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Week 1	Week 2	Week 3	Week 4
SA/DBA	SA/DBA	SA/DBA	SA/DBA
User Course	User Course		

T R A I N I N G

DATA CONVERSION TEAM

TC-ACCIS

Equipment Data

ITO

Emilpo

Personnel Data

UIC Files

Organize by Chain of Command and Server

Server

ISSUE EQUIPMENT

INSTALLATION

SBT

INSTALLATION TEAM

Ship From Vendor

Laptops

Server

AIT

Verify Equipment

BN BN BN

S3 S4 S3 S4 S3 S4

Companies Companies Companies

PBO-UMO/UMC-HazMat-SIDPERS

TC-AIMS Fielding Preparation Process

ACTIVITY	TIMEFRAME
Pre-Site Survey • FCGC briefing • Pre-site survey working group • Draft MOA template provided	**Pre-Site Survey** • 240 days before fielding • 1 JPMO and 1 Service rep • 1-2 days duration
Site Survey • NMIB/Executive briefings • Coordinate and schedule fielding activities • Validate HW and training requirements • Complete MOA	**Site Survey** • 150 days before fielding • 1-2 JPMO rep(s) • 1 function rep • 1 training rep • 1 installation coordinator • 3-5 days duration • Data conversion coordinator
JPMO order HW and training	**90 days before fielding**

Actions Between FCGC and NMIB/Site Survey

- Finalize distribution plan with TIS JPMO
- Conduct business process workshop with DPMO and FORSCOM
- Review and provide recommended changes to draft MOA
- Identify Unit Account Managers
- Establish priorities for data completion, training and equipment handoff
- Determine unit allocations for training
- Identify fielding and training facilities

NMIB/Site Survey FOCUS

- Coordinate and schedule all events during fielding period
- Complete the following events
  - Conduct executive briefing for commanders
  - Conduct working group brief
  - Conduct working groups
    - Validate HW and training requirements
    - Schedule units for training
    - Coordinate detailed fielding schedule
    - DOIM/CIO/information assurance
  - Visit proposed facilities
- Finalize Memorandum of Agreement (MOA) for
  - Hardware distribution
  - Fielding and training schedule

Typical NMIB/Site Survey Schedule

Date	Time	Activity	Personnel to Attend
Day 1	0930-1130	TC-AIMS II Fielding and Business Process Briefings	ITO, Div G3/4/6, Sep Bde S3/4/6, all DST's, DOIM
	1300-1700	Information assurance and local administrator workshop	IASO's designated local SA; DOIM, Div G6 representative
Day 2	0830-1130	Coordination visit to DOL, DOIM, Distance Learning facility	ITO, Local SA, DOIM, Div G6, DTF Manager
	1300-1700	Major unit planning session (Div)	Div G3/4, DTO, Bde level S3/4
Day 3	0830-1130	Major unit planning session (Div)	Div G3/4, DTO, Bde level S3/4
	1300-1700	Major unit planning session (COSCOM)	G3/4, Bde level S3/4, Related Transportation staff
Day 4	0830-1130	USAR and USARNG planning session	TBD by NGB and USARC
	1300-1700	Separate Bde session	COSCOM Staff, Group/BN S3/4
Day 5	0930-1130	MOA scrub	Div G3/4, ITO, USAR. NGB, FORSCOM
	1330-1600	Separate Bde session	Div G3/4, Sep Bde S3/4, all DST's

Information Needed at NMIB/Site Survey

- Installation deployment process information
  - Results of business process workshop
  - Physical move process from unit area until departure from installation
  - Functions performed at key points in the process and
    TC-AIMS II equipment required at each location
- Organizational structure by UIC
- Proposed facilities for fielding team
- Installation priorities for fielding and training
- Units that may be deployed or unavailable during fielding window
- Recommended changes to the distribution plan
- List of designated UAMs for all Brigades and higher headquarters

Actions Between NMIB / Fielding

- JPMO TIS order equipment 90 days prior to first training class
- Register students in ATRRS at least 30 days before training class
- Establish UAMs accounts NLT 90 days prior to start of fielding
- UAM’s submit bulk registration of for users NLT 60 days prior to the start of training
- Coordinate with Fort Eustis POC

Calendar of Events

Action	Start Date	End Date
FCGC/Pre-site Survey	31 Aug	
Distribution Plan Agreement		25 Sep 05
FORSCOM/DPMO BP Workshop		
Identify SBT Participating Units		14 Oct 05
Information Assurance Work Shop		30 Oct 05
Finalize MOA		30 Oct 05
Designate UAMs		15 Nov 05
Establish User Acounts - UAMs		10 Jan 06
ATRRS Registration complete for class 1		23 Dec 06
Hardware Required Delivery date		10 Jan 06
Initial Equipment Set up and Testing		18 Jan 05
User Training	23 Jan 06	TBD
SA/DBA Training	TBD	
SBTE (Scenario Based Training Event)		TBD
Fielding Complete		TBD

TIS Key Personnel

https://www.tis.army.mil/

Project Manager

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